



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
UNITED STATES

ENVIRONMENTAL PROTECTION AGENCY

REGION V

EASTERN DISTRICT OFFICE
25089 CENTER RIDGE ROAD
WESTLAKE, OHIO 44145

US EPA RECORDS CENTER REGION 5



426308

October 28, 1992

MEMORANDUM

SUBJECT: Significant Federal Facility Compliance Program - NASA
Lewis Research Center (LeRC), Cleveland, Ohio
(BKK103:03)

FROM: David R. Barna, Environmental Engineer

THRU: A. R. Winklhofer, Chief
Eastern District Office (SE-W)

TO: Lee Regner (ME-19J)
Federal Facilities Coordinator

I am forwarding a summary of findings for the multi-program inspections conducted during FY'92 at NASA-LeRC. Individual reports concerning the various elements inspected have been forwarded to the respective media programs.

Should you have any questions or require additional information, contact me at FTS 216/522-7260.

Attachments

CONCURRENCES

SYMBOL	SURNAME	DATE						
	SE W							
	d barna							
	W-28-92	10/28/92	10/28/92					

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 5
ENVIRONMENTAL SCIENCES DIVISION
EASTERN DISTRICT OFFICE

Significant Federal Facilities Compliance Program
Summary of Inspection Findings

I. FACILITY IDENTIFICATION

Agency Name: National Aeronautics and Space Administration
(NASA)
Facility Name: Lewis Research Center
City, State: Cleveland, Ohio
ID Number: OH0800005035

II. ESD PROJECT LEADER

Name: David R. Barna, Environmental Engineer
Organization: U.S. EPA, Region 5, ESD-EDO
FTS Number: 216/522-7260

Inspection Summary:

<u>Inspection Type</u>	<u>Agency</u>	<u>Inspection Date</u>	<u>Report Date</u>
III.A. CAA	U.S. EPA-EDO	2/24/92	5/7/92
III.A. CAA	U.S. EPA-EDO	3/20/92	7/9/92
III.A. CAA	U.S. EPA-EDO	3/31/92	7/10/92
III.A. CAA	U.S. EPA-EDO	4/5/92	7/17/92
III.B.9 NPDES	U.S. EPA-EDO	2/12/92	2/20/92
III.C.13 UST	U.S. EPA-EDO	2/13/92	2/19/92
III.D.14 TSCA	Ohio EPA	7/13/92	Pending

III. SUMMARY OF FINDINGS

A. Clean Air Act

1. Particulate/Visible Emission Observation

Not inspected.

2. Fugitive Emissions

Not inspected.

3. SO₂
Not inspected.
4. NO_x
Not applicable.
5. Volatile Organic Compounds (VOC)
Not inspected.
6. NESHAP - Seven Pollutants
Not inspected.
7. NESHAP Renovation/Demolition

Several NESHAP renovation/demolition inspections were conducted during FY'92. Inspection findings are highlighted below:

Building 309. A post removal inspection conducted at building 309 found the abated areas to be in apparent compliance with NESHAP regulations.

Building 5. Glovebag removal of pipe insulation was inspected in building 5. No evidence of noncompliance was found.

Building 208. In building 208, 25 bags marked "asbestos" in storage were identified. NASA was advised to dispose of the asbestos according to NESHAP regulations. For future emergency and planned maintenance/repair jobs, NASA was asked to submit monthly status reports.

Taylor Road Phase II. Inspection of the removal site was performed and finding apparent compliance with NESHAP regulations.

8. Anti-Tampering
Not inspected.

B. Clean Water Act

9. National Pollutant Discharge Elimination System

NASA's NPDES permit expires in May 1993. Additionally, NASA is preparing for storm water characterization. NASA's storm water outfalls are impacted by upstream influences of Cleveland Hopkins International Airport.

A review of self-monitoring procedures showed minor deficiencies in oil and grease sampling techniques. Also, NASA has had difficulty in obtaining reliable flow data from its portable flow monitoring equipment.

The facility's oil/water separator pits, part of the industrial wastewater system, are inspected monthly and cleaned out quarterly. Analytical data suggest that solvents and spent fuels from historical and/or continuing discharges may be making their way into the industrial wastewater system.

10. Pretreatment

NASA has the capability to discharge its industrial wastewater effluent to sanitary sewers. During 1991, this occurred only during draining of one of the industrial wastewater basins for the taking of basin boring samples. NASA should review its procedures for discharging industrial wastewaters to the sanitary system to insure compliance with the receiving control authority.

11. Spill Prevention, Control, and Countermeasure

Not inspected.

C. Resource Conservation and Recovery Act

12. Hazardous Waste

Not inspected.

13. Underground Storage Tanks

NASA appears to be addressing USEPA requirements for USTs. Additional details are needed on corrective/remedial actions on selected contaminated sites. It is recommended that NASA keep the Ohio State Fire

Marshal, or its designated representative, informed of the status of closure activities.

D. Toxic Substances Control Act

14. According to Ohio EPA, 86 nonleaking capacitors were identified in storage at building 136 as not having labels. This was corrected at the time of inspection.

E. Federal Insecticide, Fungicide, and Rodenticide Act

15. No inspection.

F. Safe Drinking Water Act

16. Water Supply

No inspection.

17. Underground Injection Control

No inspection.

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FACSIMILIE/TELECOPY REQUEST

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SUBJECT: NASA- LERC

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NUMBER OF PAGES TO FOLLOW: _____

DATE: _____

TIME: _____

REMARKS: _____

